

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	MUSUNGU et al.	Examiner:	Unassigned
Serial No.:	Unassigned	Group Art Unit:	Unassigned
Filed:	February 26, 2004	Docket No.:	HSJ920030197US1 (HITG.060PA)
Title:	METHOD AND APPARATUS FOR PROVIDING GENERALIZED WRITE PRE-COMPENSATION		

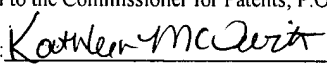
CERTIFICATE UNDER 37 CFR 1.10

Express Mail' mailing label number: EV 381020496 US

Date of Deposit: February 26, 2004

I hereby certify that this paper or fee is being deposited with the United States Postal Service 'Express Mail Post Office To Addressee' service under 37 CFR 1.10 and is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

By:


Name: Kathleen McDevitt

INFORMATION DISCLOSURE STATEMENT (37 C.F.R. §1.97(b))

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

With regard to the above-identified application, the items of information listed on the enclosed Form 1449 are brought to the attention of the Examiner.

This statement should be considered because it is submitted either within three months of the filing date or before the first Office Action of the above-identified application. Accordingly, no fee is due for consideration of the items listed on the enclosed Form 1449.

The Applicant also brings to the Examiner's attention concurrently filed Patent Application docket number HSJ920030200US1/HITG.061PA entitled "Method And Apparatus For Providing Write Pre-Compensation Using A Read Timing Path" by Musungu et al. filed on February 26, 2004.

In accordance with 37 C.F.R. §1.98(a)(2), and the 05 August 2003 Official Gazette Notice, only a copy of each foreign document or non-U.S. patent/application listed on the enclosed Form 1449 is provided.

Please note that any notations or markings on the attached documents do not reflect particular relevance, or lack thereof, to the present application, nor were they necessarily made by anyone affiliated with the prosecution of the present application.

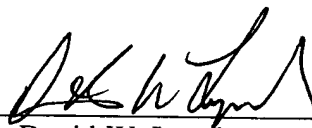
No representation is made that a reference is "prior art" within the meaning of 35 U.S.C. §§ 102 and 103 and Applicants reserve the right, pursuant to 37 C.F.R. § 1.131 or otherwise, to establish that the reference(s) are not "prior art." Moreover, Applicants do not represent that a reference has been thoroughly reviewed or that any relevance of any portion of a reference is intended.

Consideration of the items listed is respectfully requested. Pursuant to the provisions of M.P.E.P. 609, it is requested that the Examiner return a copy of the attached Form 1449, marked as being considered and initialed by the Examiner, to the undersigned with the next official communication.

Respectfully submitted,

Crawford Maunu PLLC
1270 Northland Drive
Suite 390
St. Paul, MN 55120
651/686-6633

Date: February 26, 2004

By: 
David W. Lynch
Reg. No. 36,204

FORM 1449* INFORMATION DISCLOSURE STATEMENT IN AN APPLICATION (Use several sheets if necessary)	Docket Number: HSJ920030197US1	Application Number: Unassigned
	Applicant: MUSUNGU ET AL.	
	Filing Date: 02/26/2004	Group Art Unit: Unassigned

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
	4,885,645	12/05/1989	HASHIMOTO				
	5,872,665	02/16/1999	MILLICAN et al.				
	5,986,830	11/16/1999	HEIN				
	6,134,691	10/17/2000	HIRASAKA				
	6,369,661	08/09/2002	SCOTT et al.				
	6,426,662	07/30/2002	ARCUS				
	US 2002/0015247 A1	02/07/2002	ROSKY et al.				
	5,359,631	10/25/1994	BEHRENS et al.				
	6,091,558	07/18/2000	VOORMAN et al.				
FOREIGN PATENT DOCUMENTS							
	DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
	May 2002	Lixin Yang, Yijun Zhou and Jiren Yuan, "A Non-Feedback Multiphase Clock Generator," <i>Proceedings of 2002 IEEE International Symposium on Circuits and Systems</i> , vol. 4, May 2002, pp.389-392.					

EXAMINER	DATE CONSIDERED
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form for next communication to the Applicant.	